H. Föll: List of Publications - Continuation

Fourth Installment: Running Number 181 - 240

Below is the fourth installment of my publication list: No 121 - 180. And no, it's still over, sorry.

Support

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First installment (No. 1 - 60
Second installment (No. 61 -120
Third installment (No. 121 - 180
Fourth installment (No. 181 - 240)
Fifth installment (No. 241 - 300)
Sixth installment (No. 3001- 363)

181. C. Fang, S. Langa, L. Jiang, J. Carstensen, E. Foca, and H. Föll, "Electrochemical pore etching in Germanium", in Mat. Res. Soc. Symp. Spring meeting 2005 - Abstracts, 3.8 (2005).
182. S. Mathijssen, J. Carstensen, H. Föll, G. Voorwinden, and H. Stiebig, "CELLO measurements of CIGS and µcSi solar cells", in Mater.Res.Soc.Symp.Proc. 865, F5.30.1, San Francisco (2005).
183. H. Föll, J. Carstensen, and S. Frey, "Porous and Nanoporous Semiconductors and Emerging Applications", in Sensor, and Gas Separation Applications, eds. S.W. Lu, H. Hahn, J. Weissmuller, and J.L. Gole, R12.1, Mater. Res. Soc. Symp. Proc. 876E, Warrendale, PA (2005). (114 citatipons)
184. I. Tighineanu, S. Langa, H. Föll, and V. Ursachi, Porous III-V Semiconductors, Stiinta, Chisinau (2005).
That is a book (for which I didn't do much writing)
185. V. Kochergin and H. Föll, "Effective medium approach for calculation of linear and nonlinear properties of porous semiconductor composites", Mater.Res.Soc.Symp.Proc. 881E, CC3.1.1 (2005).
186. E. Spiecker, M. Rudel, W. Jäger, M. Leisner, and H. Föll, "Interface polarity and shapes of electrochemically etched pores in InP", in Proceedings Microscopy Conference 2005, 6. Dreiländertagung 2005, Davos, Switzerland, 28. August - 2. September 2005, PSI Proceedings, 232, Paul Scherrer Institut (2005).
187. J. Carstensen, M. Christophersen, S. Lölkes, E. Ossei-Wusu, J. Bahr, S. Langa, G. Popkirov, and H. Föll, "Large area etching of porous semiconductors", Phys. Stat. Sol. (c) 2(9), 3339 (2005). (20 citatipons)
188. S. Langa, J. Carstensen, I.M. Tiginyann, and H. Föll, "Nucleation and growth of macro pores on (100) n-type Ge", Phys. stat. sol.(c) 2(9), 3237 (2005). (10 citatipons)
189. S. Langa, S. Lölkes, J. Carstensen, M. Hermann, G. Böttger, I.M. Tiginyanu, and H. Föll, "Engineering the morphology of porous InP for waveguide applications", Phys. stat. sol.(c) 2(9), 3253 (2005). (10 citatipons)
190. H. Elhouichet, S. Daboussi, H. Ajlani, A. Najar, A. Moadhen, M. Oueslati I.M. Tiginyanu, S. Langa, and H. Föll, "Strong visible emission from porous GaP doped with Eu and Tb ions", J. Luminescence 113, 329 (2005) (27 citatipons)
191. C. Fang, H. Föll, and J. Carstensen, "Electrochemical pore etching in Germanium", J. Electroanal. Chem. 589, 259 (2006) **(103 citatipons)**
192. C. Fang, H. Föll, and J. Carstensen, "Long Germanium nanowires prepared by electrochemical etching", Nano Lett. 6(7), 1578 (2006) (55 citatipons)
193. H. Föll, J. Carstensen, and E. Foca, "Self-induced oscillations in Si and other semiconductors", Int. J. Mat. Res. 2006(7) (2006) (8 citatipons)
The journal was in honor of Prof. Knut Urban; I was asked to write an article
194. S. Keipert, S. Frey, J. Carstensen, H. Föll, and J.-N. Chazalviel, "SEM investigation, in-situ FFT impedance analysis and modeling of the formation of nanoporous silica with self-organized macrostructures", Proc. E-MRS Nizza , (2006). (6 citatipons)
195. F. Cheng, J. Carstensen, and H. Föll, "Electrochemical pore etching in Ge", Materials science in semiconductor processing , 9(4-5), 694 (2006). (12 citatipons)
196. J. Carstensen, A. Schütt, G. Popkirov, and H. Föll, "Fast CELLO measurements for defect identification and loss quantification of solar cells", in Proceedings of the 21th European Photovoltaic Solar Energy Conference, 2AO.3.4, Dresden (2006).
197. A. Schütt, J. Carstensen and H. Föll, "Quantitative analysis of local serial resistance and diode losses using the CELLO technique", in Proceedings of the 21th European Photovoltaic So-lar Energy Conference, 1BV.2.36, Dresden (2006)
198. H. Föll, J. Carstensen, and Stefan Frey, "Porous and Nanoporous Semiconductors and Emerging Applications," Journal of Nanomaterials: Nanoporous and Nanostructured Materials for Catalysis, Sensor, and Gas Separation Applications, 2006, Article ID 91635 (2006). **(114 citatipons)**
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199. F. Daschner, R. Knöchel, E. Foca, J.Carstensen, V.V. Sergentu, H. Föll, and I.M. Tiginyanu}, "Photonic crystals as host material for a new generation of microwave components", Adv. Radio Sci, 4, 17, (2006) (6 citatipons)
200. H. Jacobsen, H.-J. Quenzer, B. Wagner, K. Ortner, and Th. Jung, "High-rate sputtering of thick PZT layers for MEMS actuators", Proc. MEMS 2006, Istanbul, 214 (2006) (6 citatipons)
201. K. Ortner, H. Jacobsen, D. Koeßler, Th. Jung, H.-J. Quenzer, R. Bandorf, and H. Lüthje, "Novel method for high rate deposition of Lead Zirconate Titanate piezoelectric films", Proc. 10th International Conference on Plasma Surface Engineering (2006) (9 citatipons)
202. K. Ortner, D. Koeßler, Th. Jung H. Jacobsen, and H.-J. Quenzer, "Novel method for high rate deposition of Lead Zirconate Zitanate piezoelectric films", Proc. Plasma Processes and Polymers (2006) (14 citatipons)
203. V. Kochergin and H. Föll, "Novel optical elements made from porous Si", Mater. Sci. Eng. R 52(4-6), 93 (2006) (review) (64 citatipons)
204. V.V. Sergentu, V.V. Ursaki, I.M. Tiginyanu, E. Foca, H. Föll, and R.W. Boyd, "Focusing slabs made of negative index materials based on inhomogeneous dielectric rods", Phys. Stat. Sol. (a) 203(6), R48-R50 (2006)
205. H. Jacobsen, Th. Jung, K. Ortner, K.I. Schiffmann, H.-J. Quenzer, and B. Wagner, "Development of a piezoelectric Lead Titanate thin film process on Silicon substrates by high rate gas flow sputtering", Sensors and Actuators A 133, 250 (2007). (14 citatipons)
206. H. Jacobsen, H.-J. Quenzer, B. Wagner, K. Ortner, and Th. Jung, "Thick PZT layers deposited by gas flow sputtering", Sensors and Actuators A 135, 23 (2007). (24 citatipons)
207. C. Fang, J. Carstensen, and H. Föll, "Electrochemical pore etching in n- and p-type Ge", Solid State Phenomena, 121-123, 37, (2007) (6 citatipons)
208. J. Carstensen, H. Föll, E. Foca, and C. Fang, , "A stochastic model for current and voltage oscillation of the Si electrode", Solid State Phenomena, 121-123, 1115 (2007) (1 citatipons)
209. V. Kochergin, V. Zaporojtchenko, H. Takele, F. Faupel, and H. Föll, "Improved effective medium approach: Application to metal nanocomposites", J. Appl. Phys., 101(2), 024302 (2007) (27 citatipons)
210. M. Kemell, M. Ritala, M. Leskelä, E. Ossei-Wusu, J. Carstensen, and H. Föll, " Si/Al2O3/ZnO:Al capacitor arrays formed in electrochemically etched porous Si by atomic layer deposition", Microelectronic Engineering 84, 313 (2007). (52 citatipons)
211. C. Fang, E. Foca, L. Sirbu, J. Carstensen, I.M. Tiginyanu, and H. Föll, "Formation of metal wire arrays via electrodeposition in pores of Si, Ge and III-V semiconductors", Phys. Stat. Sol. (a) 204(5), 1388 (2007) (14 citatipons)
212. E. Foca, J. Carstensen, G. Popkirov, and H. Föll, "Pores growth control by in-Situ FFT impedance spectroscopy", Phys. Stat. Sol. (a) 204(5), 1378 (2007) (9 citatipons)
213. E. Foca, J. Carstensen, and H. Föll, "Quantitative modelling of voltage oscillations and other oscillatory phenomena with the Current Burst Model", Phys. Stat. Sol. (a) 204(5), 1883 (2007) (2 citatipons)
214. S. Frey, S. Keipert, J.-N. Chazalviel, F. Ozanam, J. Carstensen, and H. Föll, "Electrochemical formation of porous silica: Toward an understanding of the mechanisms", Phys. Stat. Sol. (a) 204(5), 1250 (2007) (2 citatipons)
215. V. Kochergin and H. Föll, "Commercial applications of porous Si: Optical filters and components", Phys. Stat. Sol. (c) 4(6), 1933 (2007) (15 citatipons)
216. C. Fang, H. Föll, J. Carstensen, and S. Langa, "Electrochemical pore etching in Ge - An overview", Phys. stat. sol. (a) 204(5), 1292 (2007) (16 citatipons)
217. E. Foca, J. Carstensen, and H. Föll, "Modelling electrochemical current and potential oscillations at the Si electrode", J. Electroanal. Chem. 603, 175 (2007) (review) (59 citatipons)
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221. E. Foca, O. Riemenschneider, E. Lage, M. Leisner, J. Carstensen, and H. Föll, "Impact of the Alcohol-Containing Electrolytes on the Macropores Etching in n-Si", ECS Transactions, 211th Meeting of The Electrochemical Society, Chicago 2007 6(2), 395 (2007) (6 citatipons)
222. H. Föll, J. Carstensen, E. Foca, and M. Leisner, "Understanding and controlling Pore Etching in Semiconductors", ECS Transactions, 211th Meeting of The Electrochemical Society, Chicago 2007 6(2), 309 (2007) (invited paper) (1 citatipons)
223. S. Keipert, J. Carstensen, and H. Föll, "FFT photoimpedance measurements of semiconductors for solar application", ECS Transactions, 211th Meeting of The Electrochemical Society, Chicago 2007 6(2), 387 (2007)
224. M. Leisner, J. Carstensen, and H. Föll, "FFT Impedance Spectroscopy Analysis of the Growth of Anodic Oxides on Si with Various Electrolytes", ECS Transactions, 211th Meeting of The Electrochemical Society, Chicago 2007 6(2), 599 (2007) 3 citatipons)
225. V.V. Sergentu, V.V. Ursaki, I.M. Tiginyanu, E. Foca, H. Föll, and R.W. Boyd, "Design of negative-refractive-index on the basis of rods with a gradient of the dielectric constant", Appl. Phys. Lett. 91, 081103 (2007) 20 citatipons)
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compounds in neutral electrolyte", 2007 Electrochem. Solid-State Lett. 10 D127 61 citatipons)

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231. A. Cojocaru, E. Foca, J. Carstensen, M. Leisner, I.M. Tiginyanu, and H. Föll, "Impedance spectroscopy as a powerful tool for better understanding and controlling the pore growth mechanism in semiconductors", in Proceedings of the 5th international conference on "Microelectronics and computer science" (Volume 1), 133, Technical University of Moldova, Chisinau (2007). 6 citatipons)
232. C. Fang, E. Foca, S. Xu, J. Carstensen, and H. Föll, "Deep silicon macropores filled with copper by electrodeposition", J. Electrochem. Soc. 154(1), D45-D49 (2007). (7 citatipons)
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234. A. Cojocaru, J. Carstensen, M. Leisner, H. Föll, and I.M. Tiginyanu, "Self-induced oscillation of the macropore diameter in n-type silicon", Volume6, Issue7 Special Issue: 6th International Conference on Porous Semiconductor Science and Technology (PSST 2008) PSS July 2009 Pages 1533-1535 . (4 citatipons)
235. A. Cojocaru, J. Carstensen, E.K. Ossei-Wusu, M. Leisner, O. Riemenschneider, and H. Föll, "Fast macropore growth in n-type silicon", PPS Volume6, Issue7 Special Issue: 6th International Conference on Porous Semiconductor Science and Technology (PSST 2008) July 2009 Pages 1533-1535 . (4 citatipons)
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237. J. Carstensen, H. Föll, A. Cojocaru, and M. Leisner, "In-situ FFT impedance spectroscopy in new modes applied to pore growth in semiconductors", PPS Volume6, Issue7 Special Issue: 6th International Conference on Porous Semiconductor Science and Technology (PSST 2008) July 2009 Pages 1629-1633 (2 citatipons)
238. M.A. Amin, S. Frey, F. Ozanam, and J.-N. Chazalviel, "Macromorphologies in electrochemically formed porous silica", Electrochim. Acta 53(13), 4485 (2008). (21 citatipons)
239. H.-J. Quenzer, H. Jacobsen, K. Prume, B. Wagner, K. Ortner, and Th. Jung, "High-rate sputtering of thick PZT-layers for MEMS", 19th IEEE International Conference on Micro Electro Mechanical Systems, 2006, pp. 214-217 (6 citatipons)
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Next installment (No. 241 - 320)

Statistics

Just for fun. The first table will yield my "Hirsch Factor" (look it up). The second table gives some idea of how one develops as an author. What defines "good journals" is not so clear. Here it is just my bias and must be seen as rather approximate.

No. citation	Inst. 1	Inst. 2	Inst. 3	Inst. 4	Inst. 5	Inst. 6	
>80	14	17	7	3			
>70			1	1			
>60		1	4	1			
>50	2		1	2			
>40	8	3	2				

	Inst. 1	Inst. 2	Inst. 3	Inst. 4	Inst. 5	Inst. 6	
First Author	35	17	8	4			
Good Journals	34	25	38	36			